

FIG.1

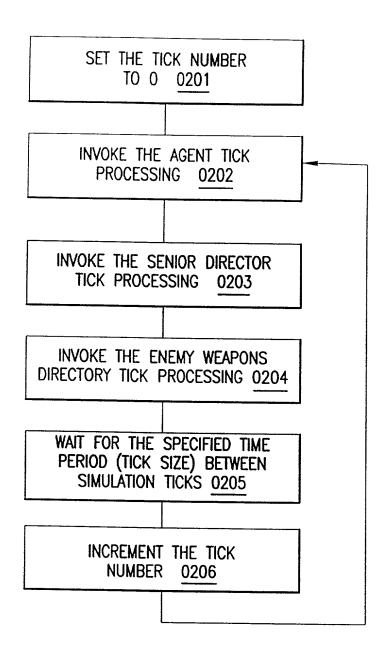
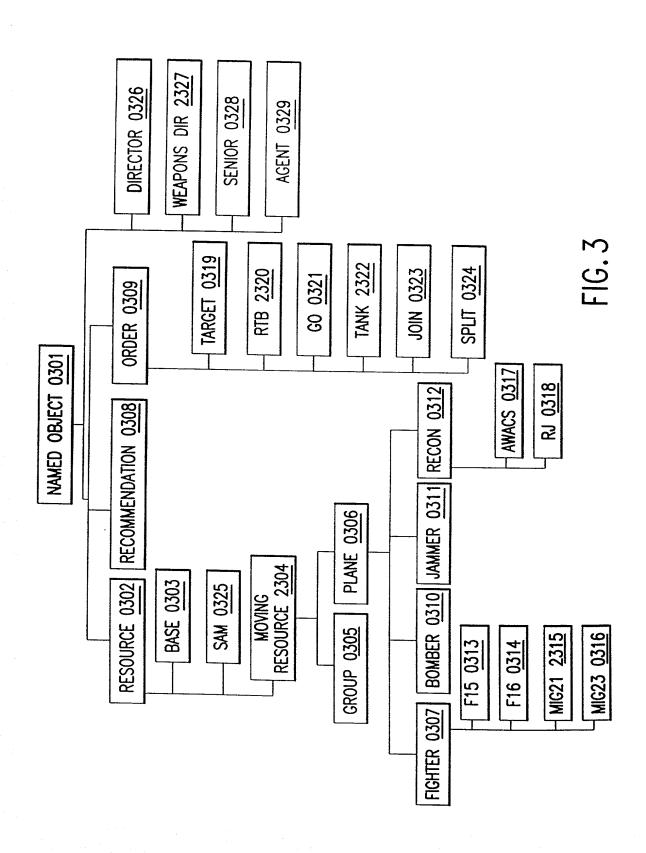


FIG. 2



IDENTIFIER	TYPE	DESCRIPTION
NAME	STRING	NAME OF THE RESOURCE
XYZ	COORD	A TRIPLET OF FLOATING-POINT NUMBERS
		REPRESENTING 3-DIMENSIONAL
		COORDINATES OF THE RESOURCE
ALLEGIANCE	INTEGER	RESOURCE ALLEGIANCE: OURS, ENEMY
		OR UNKNOWN
RG	GROUP	RESOURCE GROUP TO WHICH THIS
- 405	WEADON ON IO	RESOURCE BELONGS (OR NULL)
WD	WEAPONSDIR	WEAPONS DIRECTORY TO WHICH THIS
MUCTOCHAMOLEO	DOO! CAN	RESOURCE BELONGS
MUSTBEHANDLED	BOOLEAN	RESOURCE MUST BE HANDLED
CRITICAL	BOOLEAN	(EVENTUALLY) RESOURCE MUST BE HANDLED
CRITICAL	BOOLEAN	IMMEDIATELY
BEINGHANDLED	BOOLEAN	RESOURCE IS BEING HANDLED
COMMITTED	BOOLEAN	RESOURCE IS COMMITTED TO HANDLING
PENDING	BOOLEAN	RESOURCE IS PENDING COMMITMENT
RECALL	BOOLEAN	RESOURCE NO LONGER NEEDS TO
	J SOULD III	BE HANDLED
DIRECTORHANDLING	DIRECTOR	WEAPONS DIRECTOR RESPONSIBLE FOR
		HANDLING THIS RESOURCE
ORDERS	ORDER	CURRENT ORDER OF THE RESOURCE
COMMITTEDTO	RESOURCE	REFERENCE TO A RESOURCE THIS
		RESOURCE IS COMMITTED TO HANDLING
		(OR NULL)
CANDIDATES	VECTOR	LIST OF CANDIDATES FOR THE
		RESOURCE-IF THIS IS OUR
		RESOURCE, THIS IS A LIST OF
		POTENTIAL ENEMY RESOURCES TO
		HANDLE, IF THIS IS AN ENEMY
		RESOURCE, THIS IS A LIST OF OUR
		RESOURCES THAT CAN POTENTIALLY
		HANDLE IT

FIG. 4

IDENTIFIER	TYPE	DESCRIPTION
MAXV	FLOAT	MAXIMUM POSSIBLE SPEED OF THE
		MOVING RESOURCE
CRUISEV	FLOAT	CRUISING SPEED OF THE MOVING
		RESOURCE
MINV	FLOAT	MINIMUM SPEED OF THE
		MOVING RESOURCE
CRUISEZ	FLOAT	CRUISING ALTITUDE OF THE
		MOVING RESOURCE
FUELCONSUMPTION	FLOAT	MOVING RESOURCE FUEL CONSUMPTION
		WHEN CRUISING
MAXFUEL	FLOAT	THE MAXIMUM AMOUNT OF FUEL THE
		MOVING RESOURCE CAN POSSESS
FUELREMAINING	FLOAT	THE REMAINING AMOUNT OF FUEL THE
		MOVING RESOURCE CAN POSSESS
XYP	COORD	THE PREVIOUS SET OF COORDINATES
		OF THE RESOURCE (FROM THE
		PREVIOUS TICK)
BASE	BASE	THE BASE THIS RESOURCE IS ASSIGNED
		TO (OR NULL)
DESTROYED	BOOLEAN	MOVING RESOURCE DESTRUCTION
		INDICATOR
ATBASE	BOOLEAN	MOVING RESOURCE LANDING AT
		BASE INDICATOR
GETTINGFUEL	BOOLEAN	MOVING RESOURCE FUELING IN
		PROGRESS INDICATOR
	<u> </u>	<u> </u>

FIG. 5

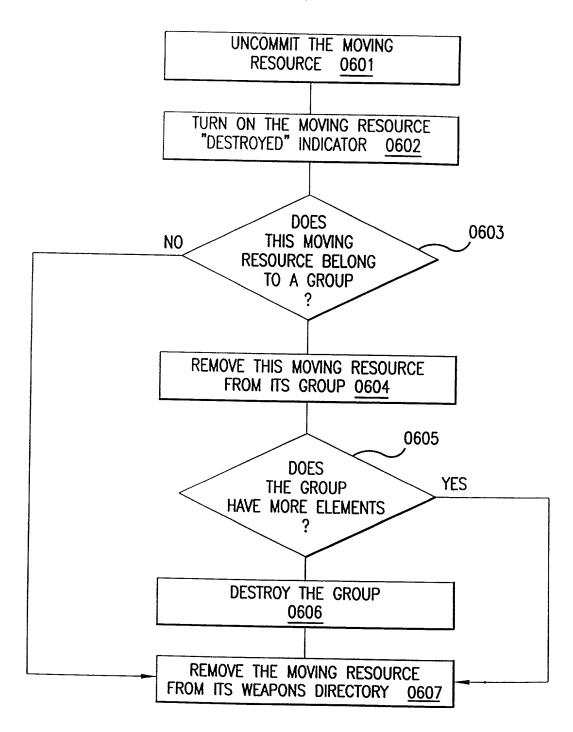
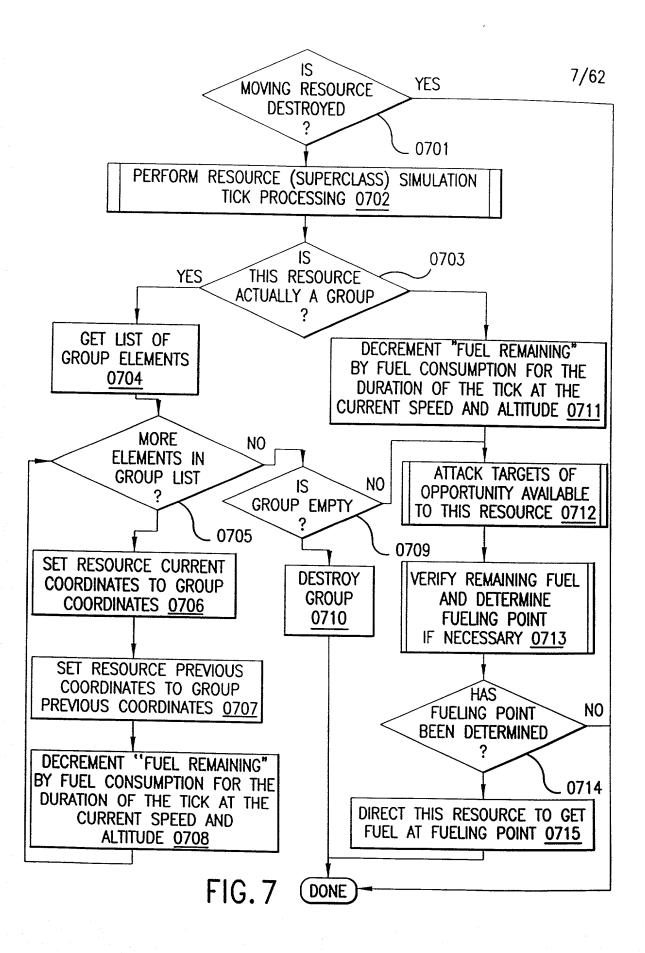


FIG. 6



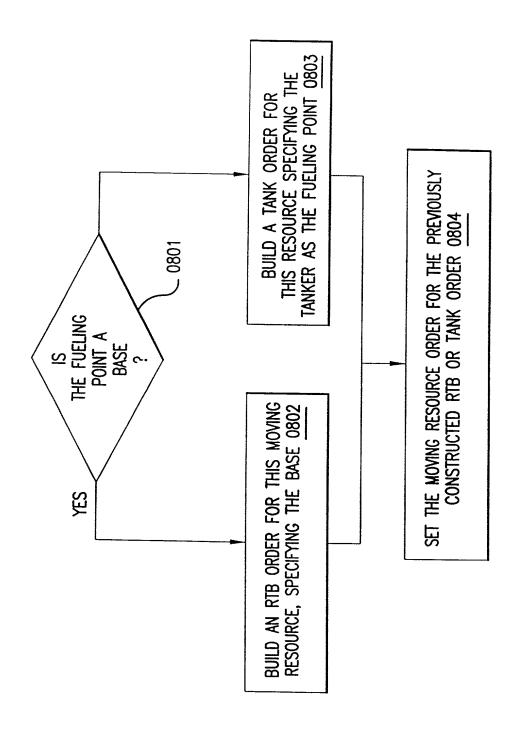
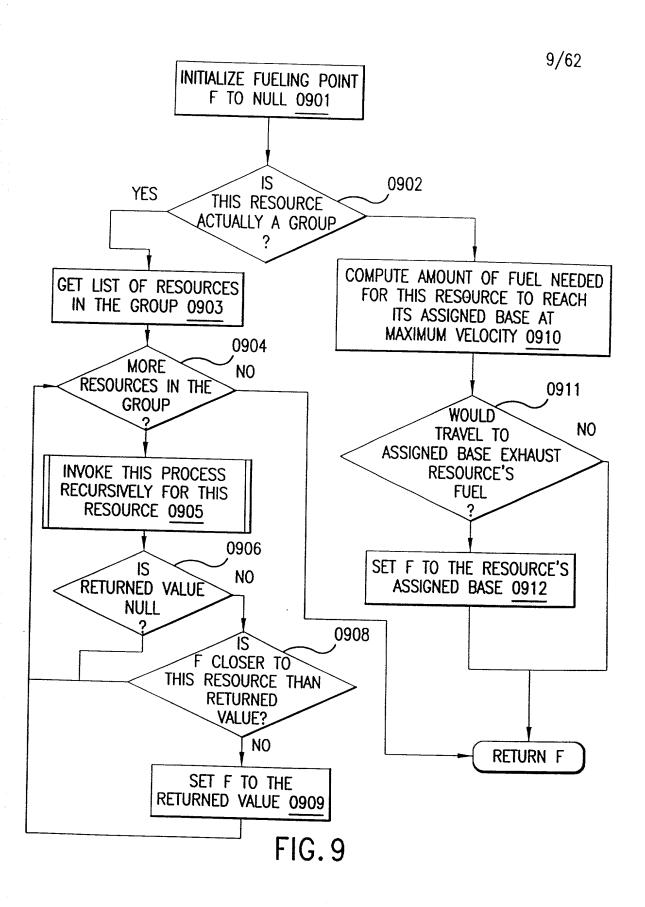
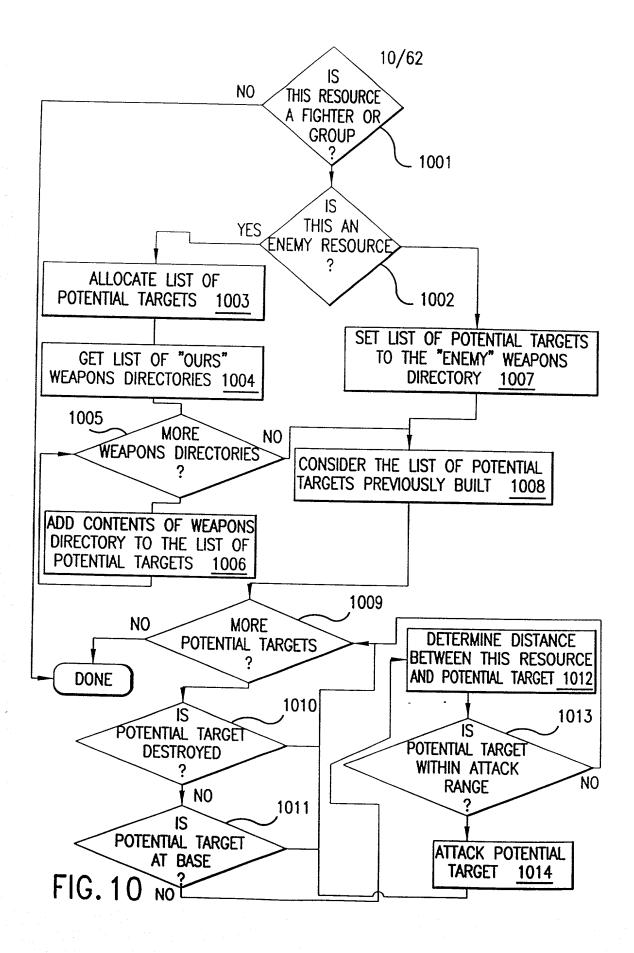
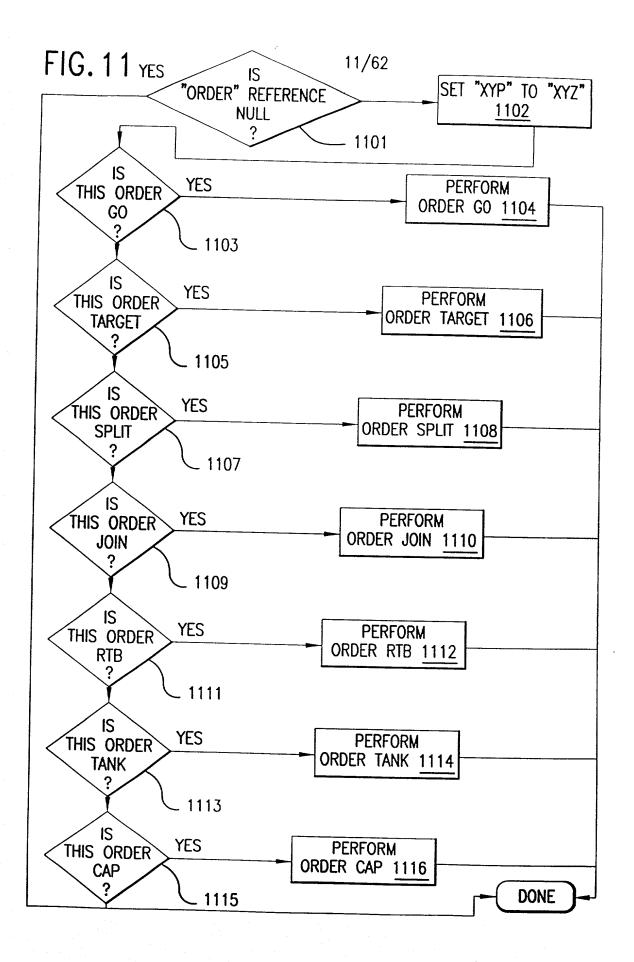


FIG. 8







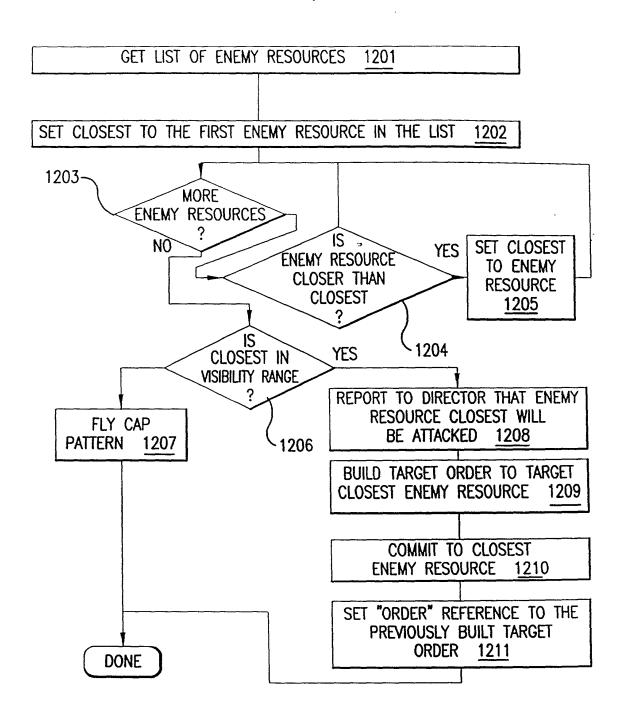


FIG. 12

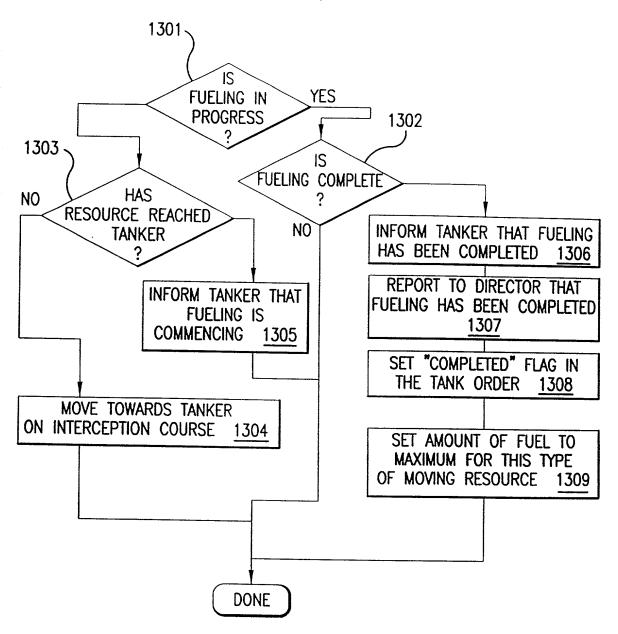


FIG. 13

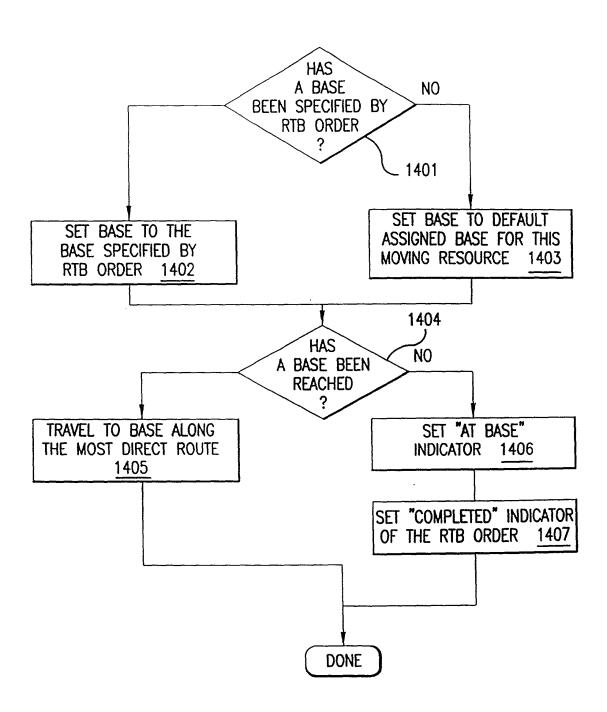
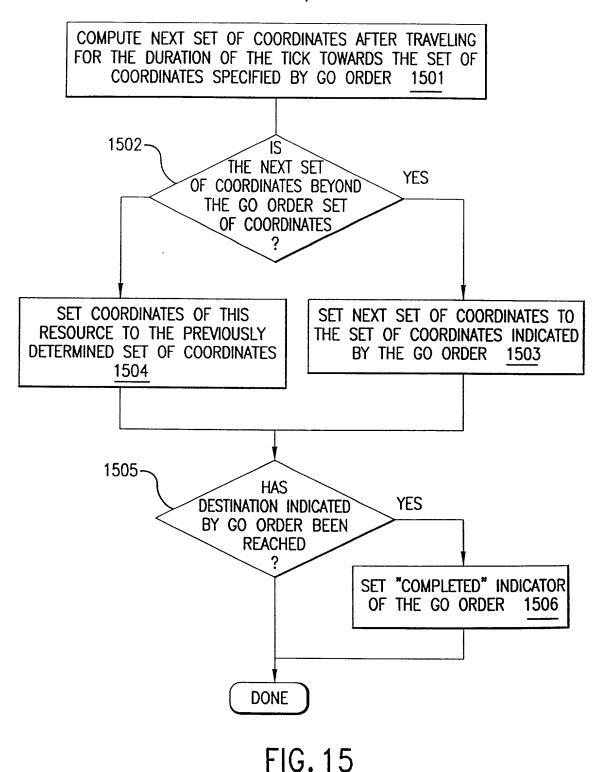


FIG. 14



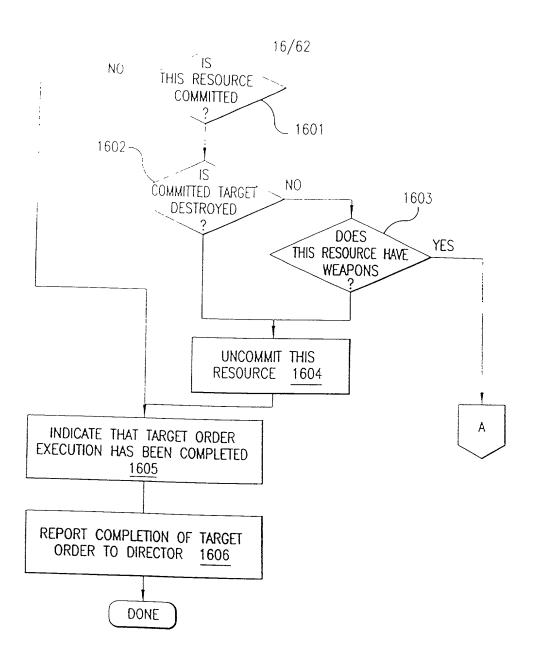


FIG.16 A

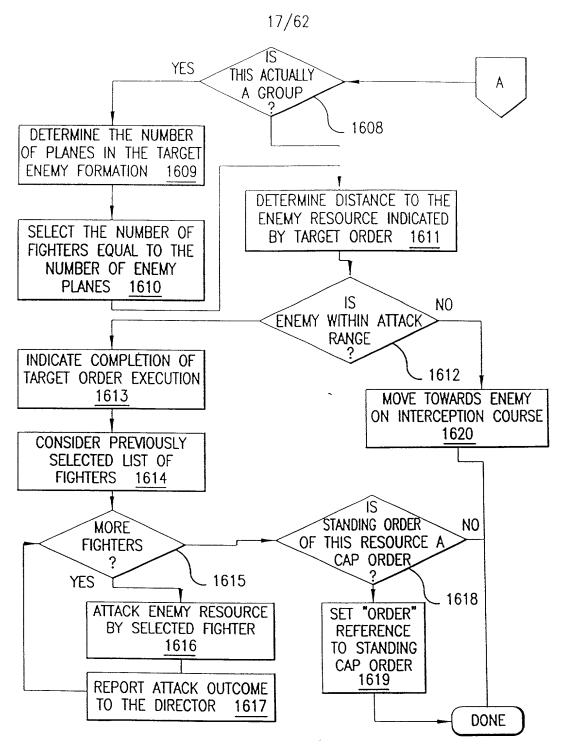


FIG.16B

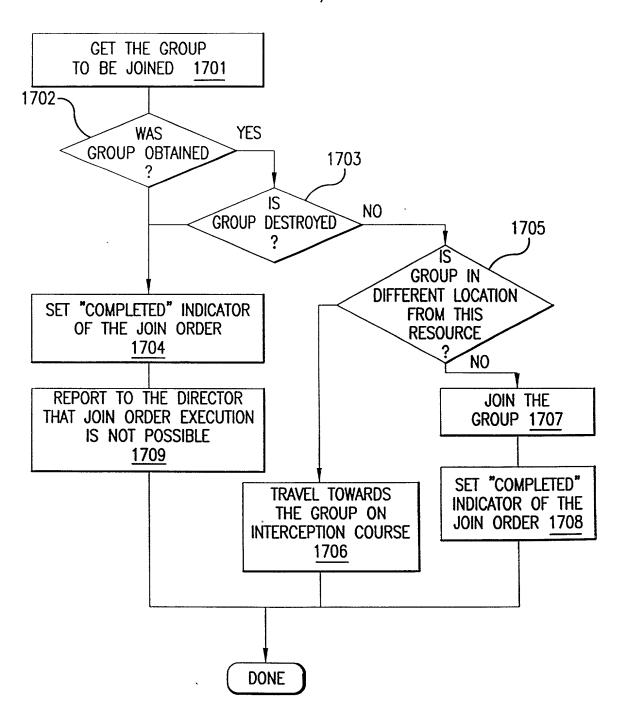


FIG. 17

IDENTIFIER	TYPE	DESCRIPTION
MAXZ	FLOAT	MAXIMUM POSSIBLE ALTITUDE FOR THIS PLANE
MAXL	FLOAT	MAXIMUM POSSIBLE TRAVEL RANGE FOR THIS PLANE
HIT	BOOLEAN	A PLANE HAS BEEN HIT (BY A MISSILE) INDICATOR
MECHANICALPROBLEM	BOOLEAN	A PLANE HAS DEVELOPED A MECHANICAL PROBLEM

FIG. 18

IDENTIFIER WEAPONS	TYPE WEAPONS	DESCRIPTION REFERENCE TO A FIGHTER WEAPONS DESCRIPTOR
NUMATTACKS	INTEGER	NUMBER OF ATTACKS THIS FIGHTER HAS PERFORMED

FIG. 19

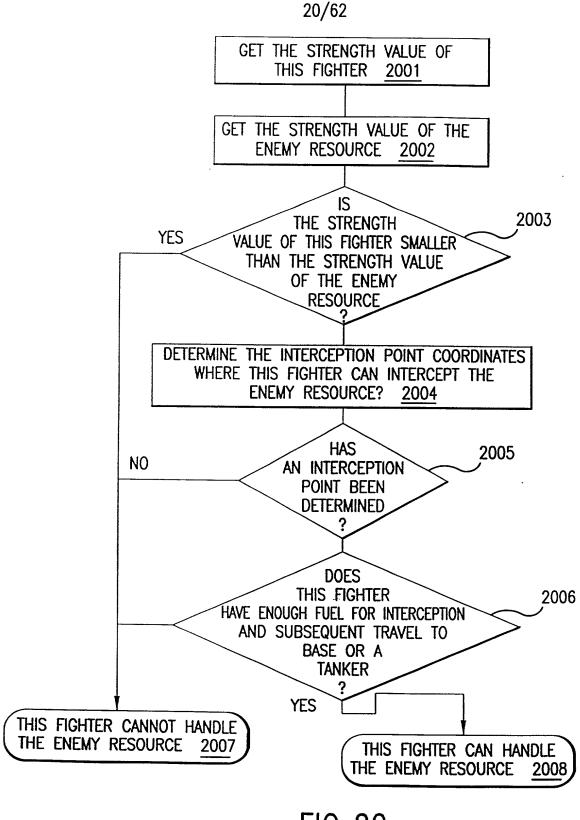


FIG. 20

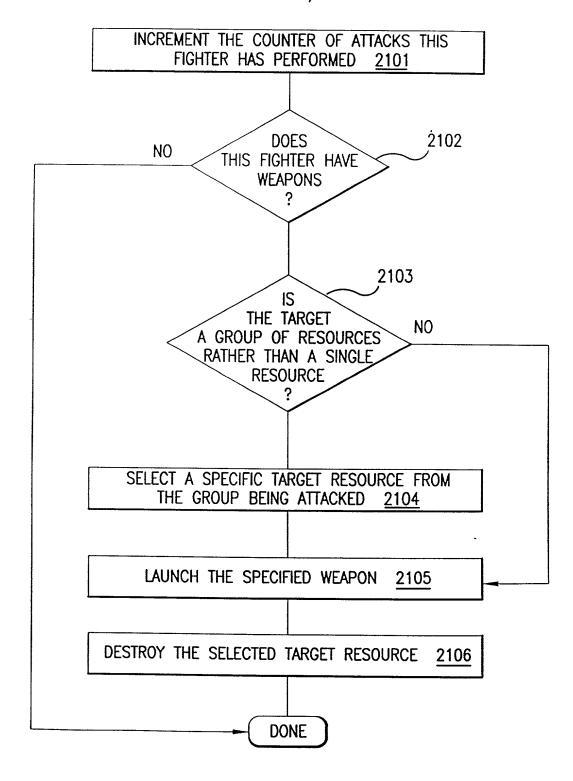


FIG. 21

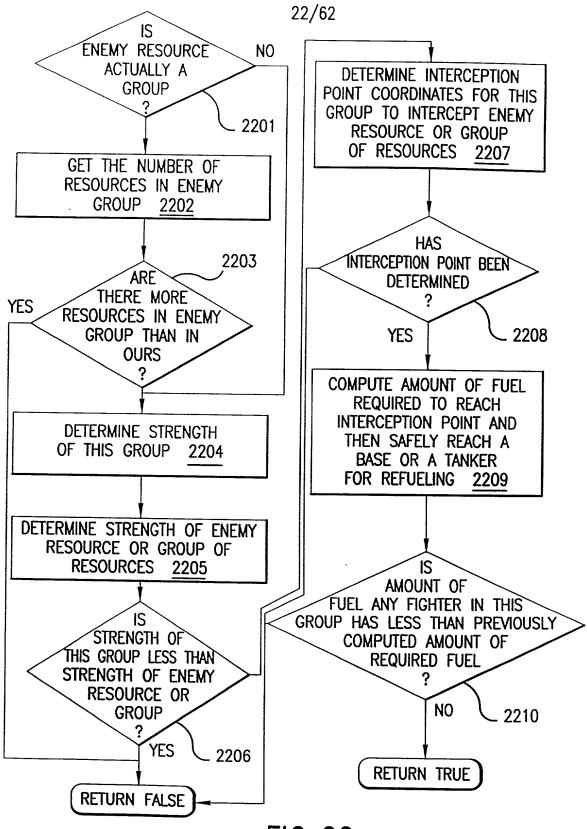
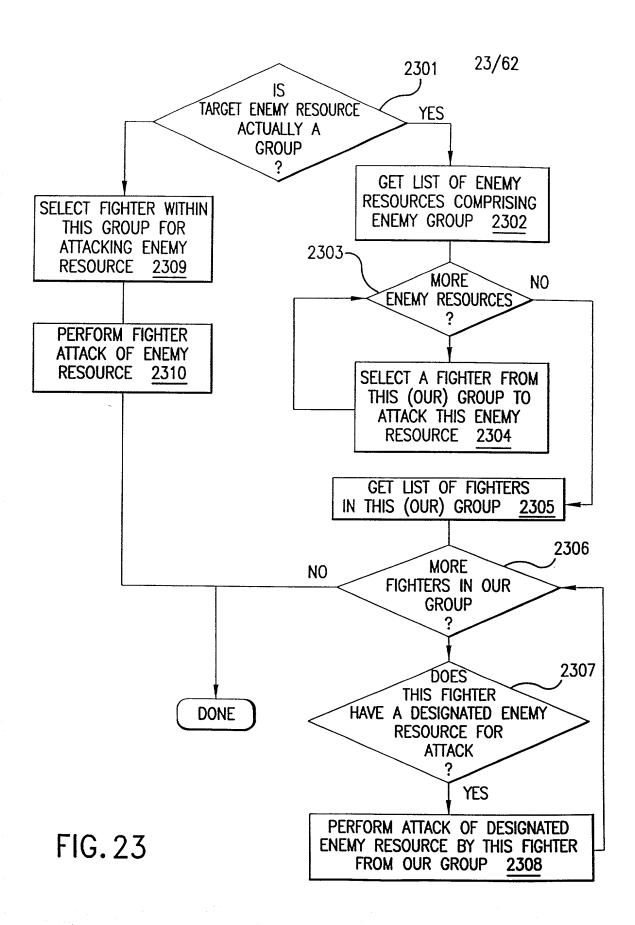


FIG. 22



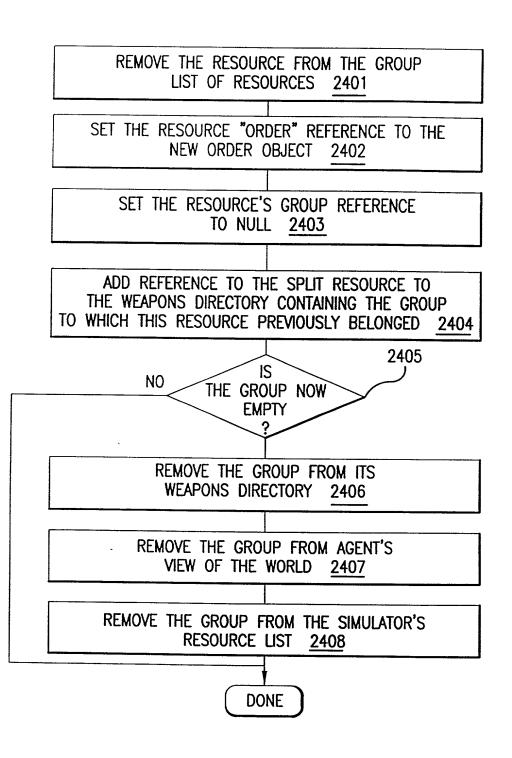


FIG. 24

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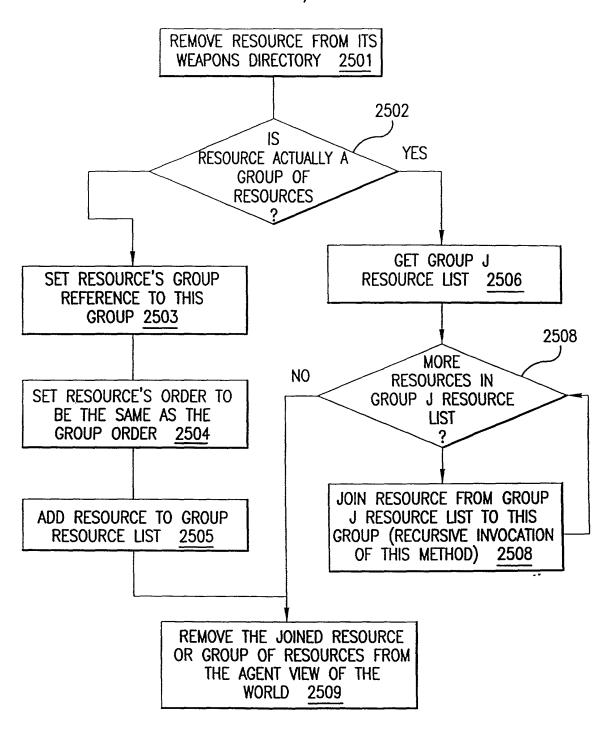


FIG. 25

26/62

	T	20/02
IDENTIFIER	TYPE	DESCRIPTION
LANE	LANE	THE LANE ASSIGNED TO THIS
0.100		WEAPONS DIRECTOR
CAPS	VECTOR	THE LIST OF COMBAT AIR PATROL (CAP)
		ZONES ASSIGNED TO THIS
11/6		WEAPONS DIRECTOR
WD	WEAPONSDIR	THE WEAPONS DIRECTORY THIS WEAPONS
		DIRECTOR IS RESPONSIBLE
15.5		FOR MANAGING
LEVEL	INTEGER	RESPONSIBILITY LEVEL OF THE
		WEAPONS DIRECTOR:
		0-UNKNOWN
		1-NOVICE
		2-JOURNEYMAN
		3-EXPERT
		4-MASTER
ALLEGIANCE	INTEGER	ALLEGIANCE OF THE WEAPONS DIRECTOR
		(UNKNOWN, OURS, ENEMY)
SENIOR	SENIOR	SENIOR DIRECTOR TO WHOM THIS
1.1.1.5.1.5		WEAPONS DIRECTOR REPORTS
HANDLE	VECTOR	LIST OF ENEMY RESOURCES THIS
1111111111		WEAPONS DIRECTOR NEEDS TO HANDLE
HUMAN	BOOLEAN	WEAPONS DIRECTOR IS OPERATING IN
		MANUAL MODE (AS OPPOSED TO AGENT-
DECOMMENDATIONS	1/5050	AUTOMATED)
RECOMMENDATIONS	VECTOR	LIST OF RECOMMENDATIONS FROM THE
		AGENT THE WEAPONS DIRECTOR RECEIVES
DECOMMENDATIONS	LEATAR	AT EVERY TICK OF THE SIMULATION
RECOMMENDATIONS	VECTOR	LIST OF MANUALLY-ENTERED
FROMHUMAN		RECOMMENDATION/ORDER PAIRS FROM A
		HUMAN USER PASSED TO THIS WEAPONS
EVENTS	VECTOR	DIRECTOR REPRESENTATION
LACIAIO	VECTOR	LIST OF EVENTS THAT OCCURRED DURING
		A SIMULATION TICK WHICH THE AGENT
		CONSIDERS TO BE OF INTEREST TO THIS
RATIONALE	VECTOR	WEAPONS DIRECTOR
TATIONALL ,	VECTUR	LIST OF TEXTUAL ENTRIES, EACH
		CORRESPONDING TO A RECOMMENDATION
		IN THE "RECOMMENDATIONS" LIST,
		COMPRISING THE AGENT'S EXPLANATIONS
		OF REASONS FOR EACH RECOMMENDATION

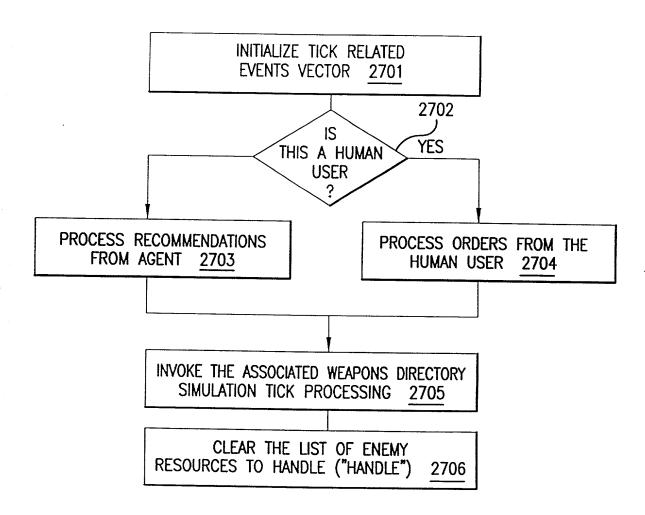
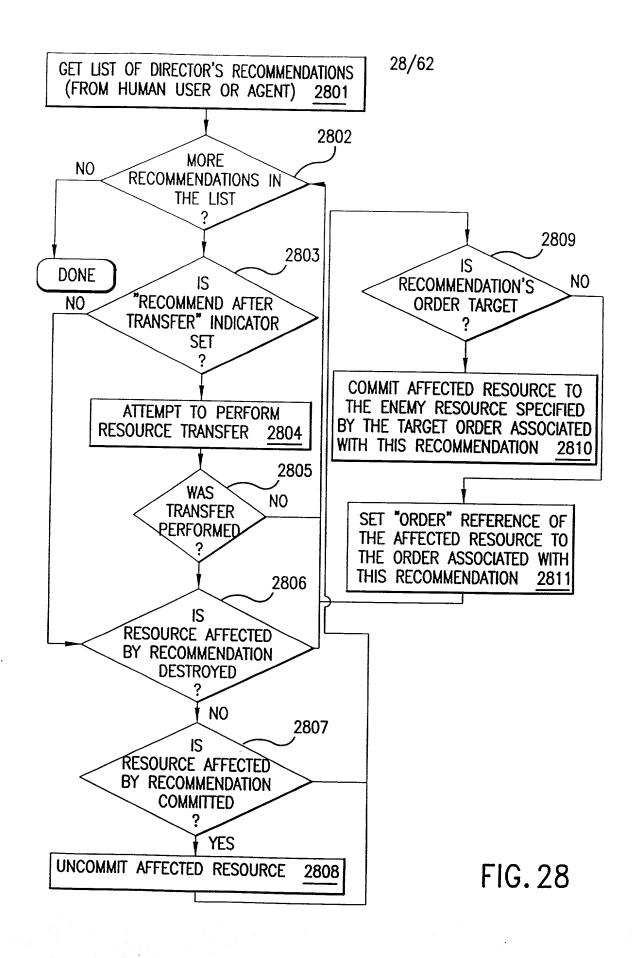
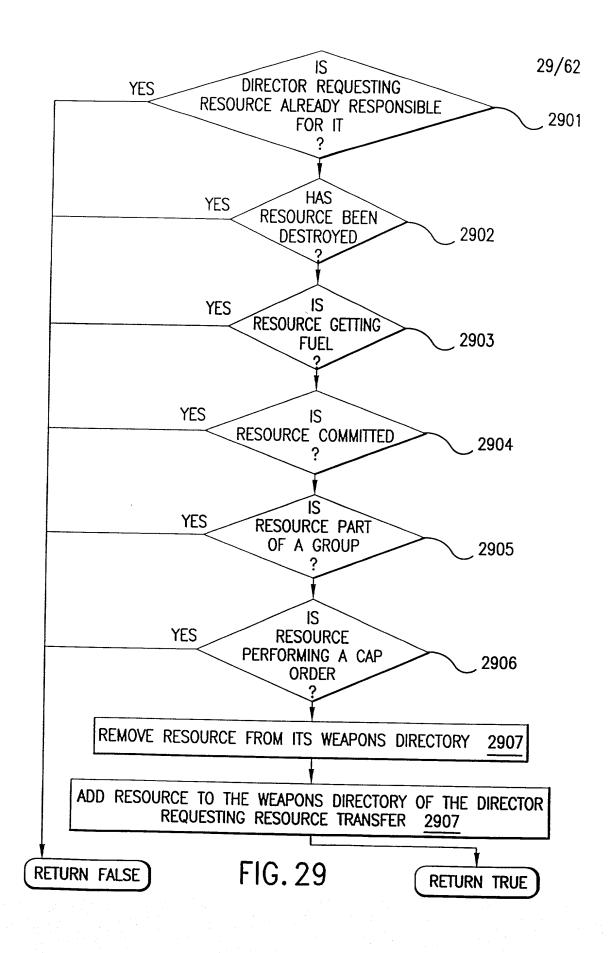


FIG. 27





IDEA ITIEIED	7.05	a coopia cou
IDENTIFIER	TYPE	DESCRIPTION
NAME	STRING	RECOMMENDATION IDENTIFIER
TOWHOM	DIRECTOR	REFERENCE TO THE WEAPONS DIRECTOR
		TO WHOM THE RECOMMENDATION IS MADE
R	VECTOR	LIST OF RESOURCES AFFECTED BY
		THIS RECOMMENDATION
ORDER	ORDER	ORDERS FOR RESOURCES AFFECTED BY
		THIS RECOMMENDATION
DESC	STRING	VERBAL DESCRIPTION OF THE
		RECOMMENDATION
ACCEPTED	BOOLEAN	INDICATOR OF ACCEPTANCE BY THE
		DIRECTOR (OR THE AGENT ON BEHALF OF
		THE DIRECTOR IF DIRECTOR IS
		AUTOMATED BY THE AGENT)
TRANSFER	BOOLEAN	RECOMMENDATION IS VALID ONLY AFTER
		THE SPECIFIED RESOURCES HAVE BEEN
-		TRANSFERRED TO THIS WEAPONS
		DIRECTOR WITH THE APPROVAL FROM THE
		SENIOR DIRECTOR

FIG. 30

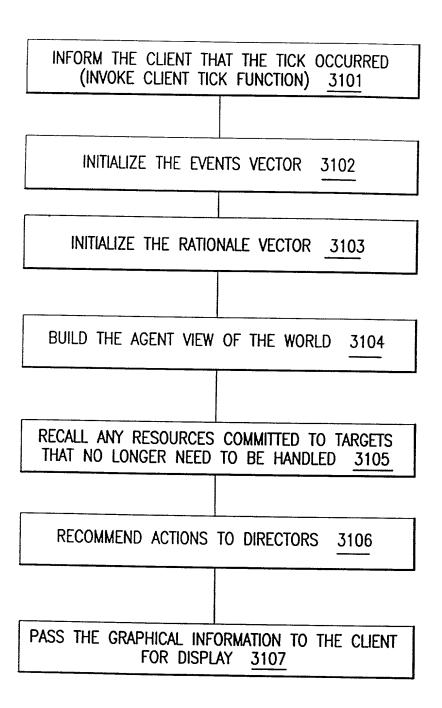
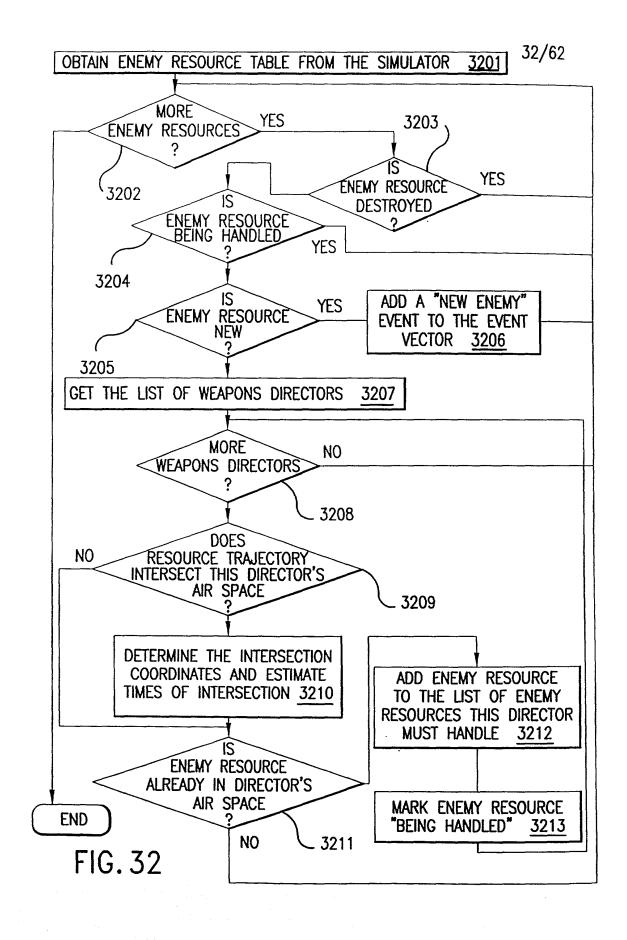


FIG. 31



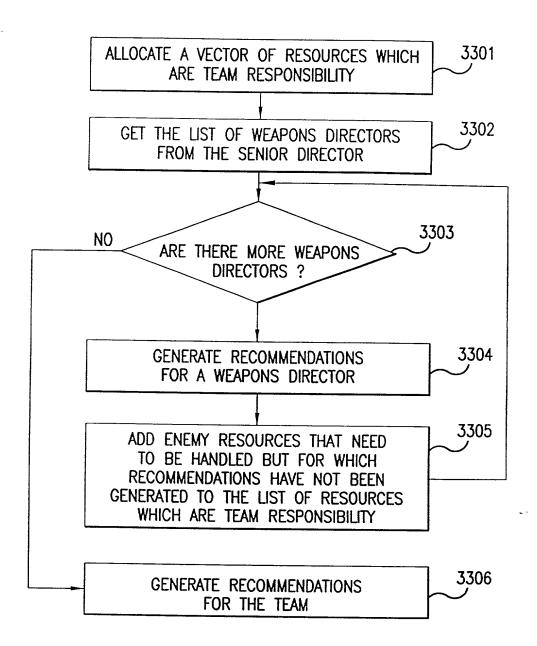


FIG.33

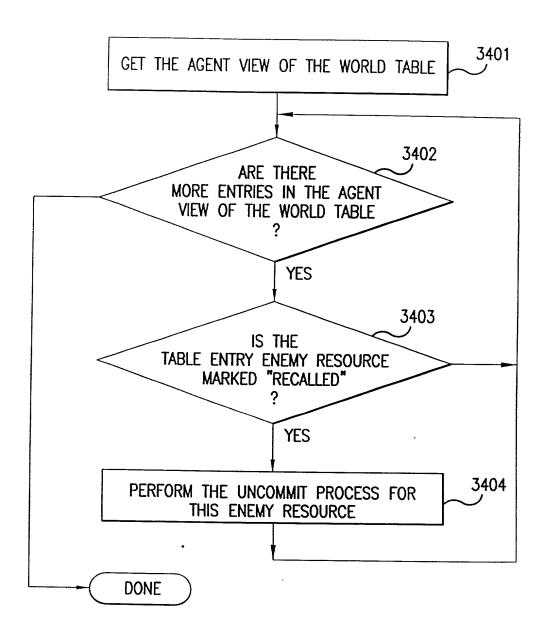


FIG.34

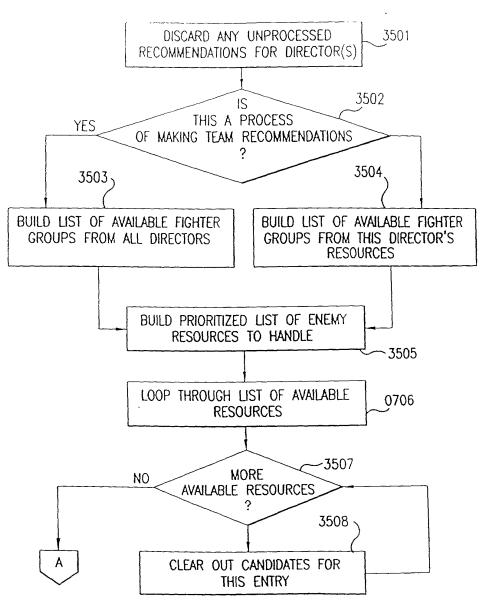
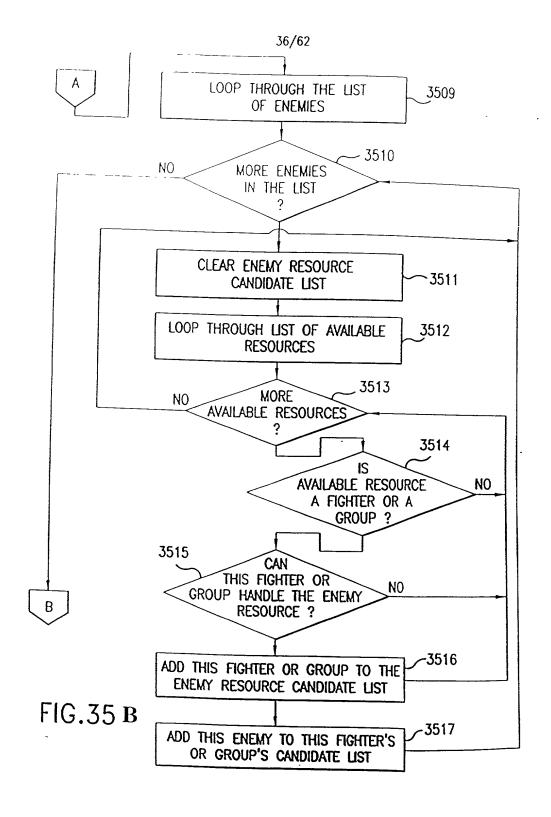
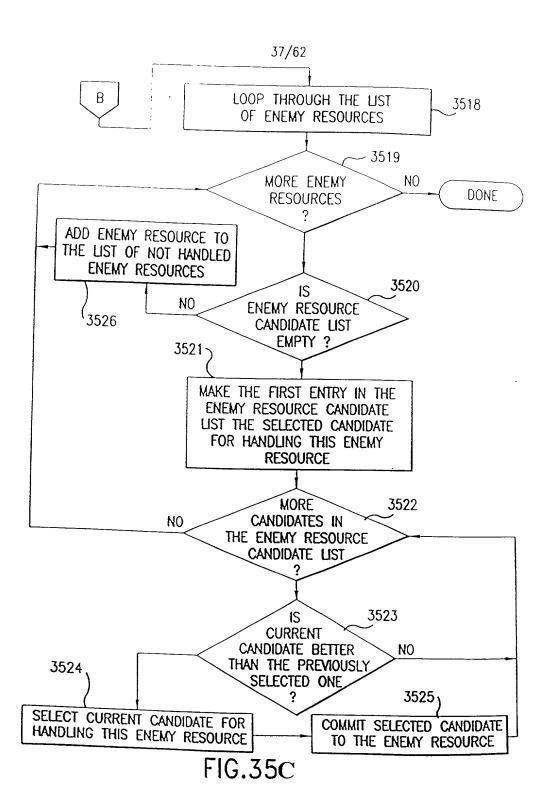
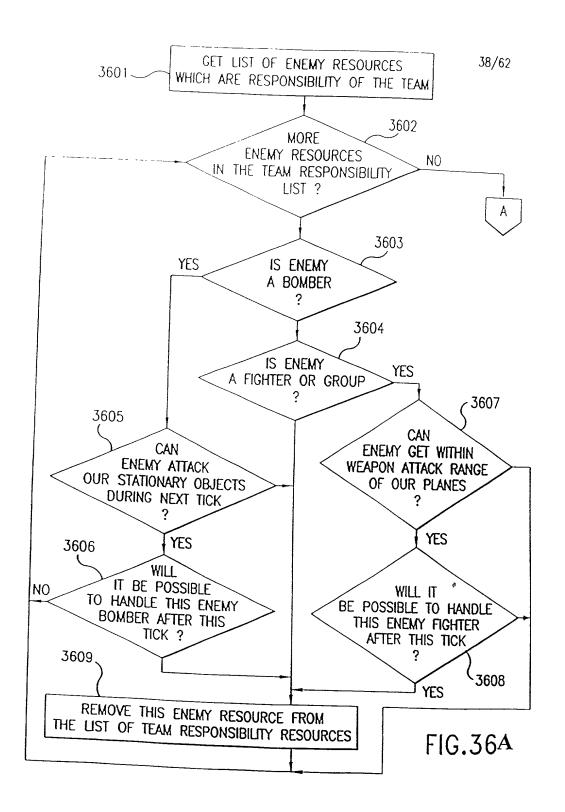
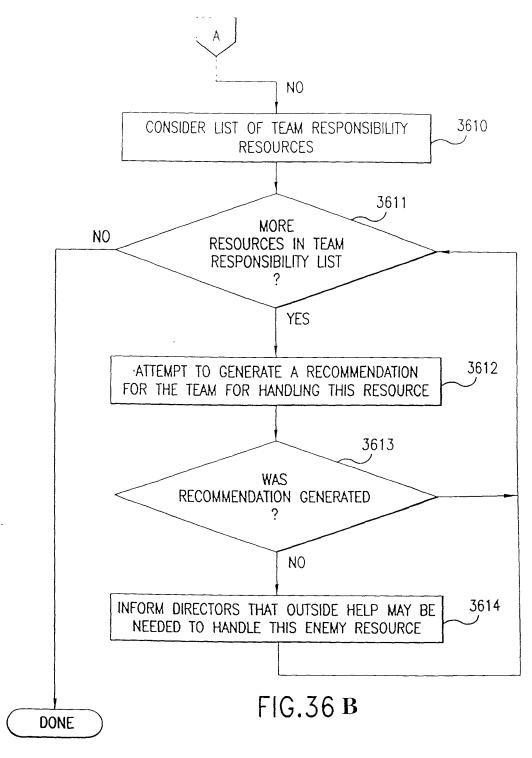


FIG.35A









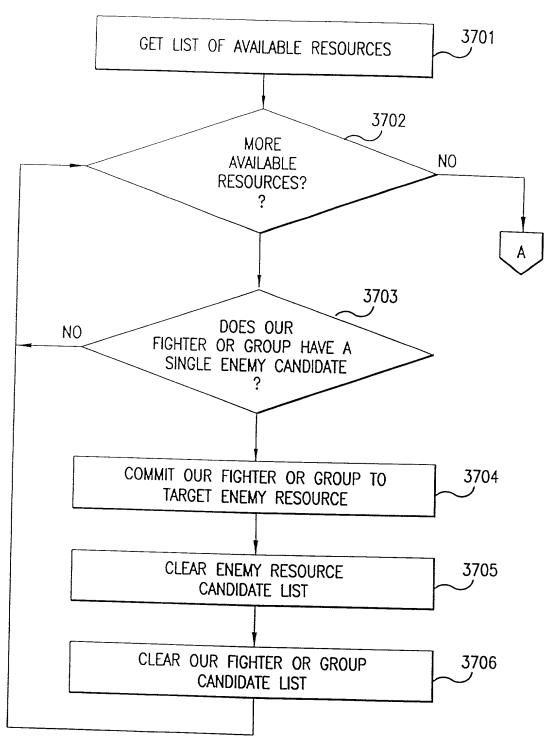
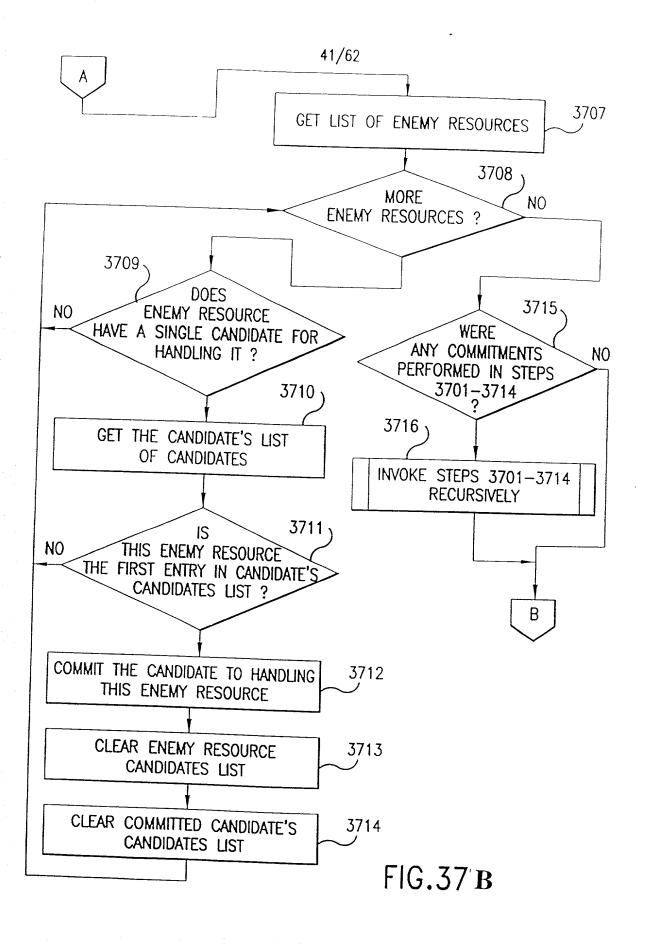
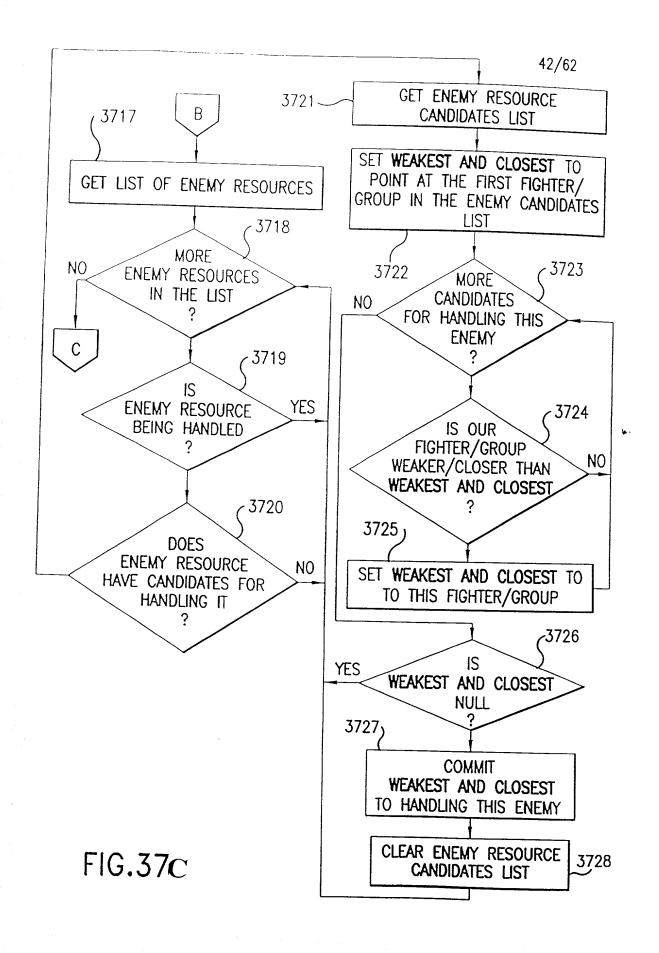
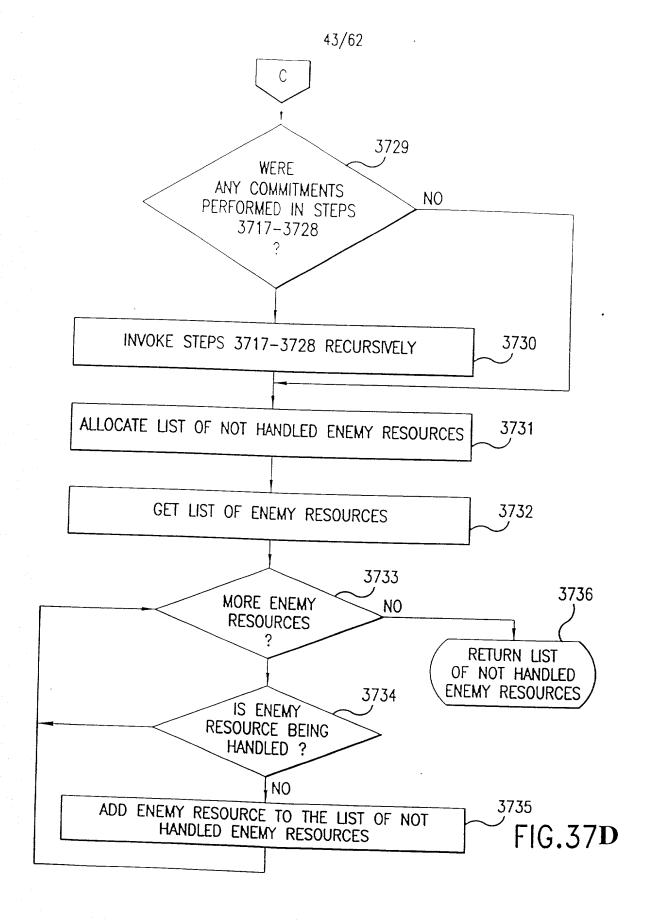
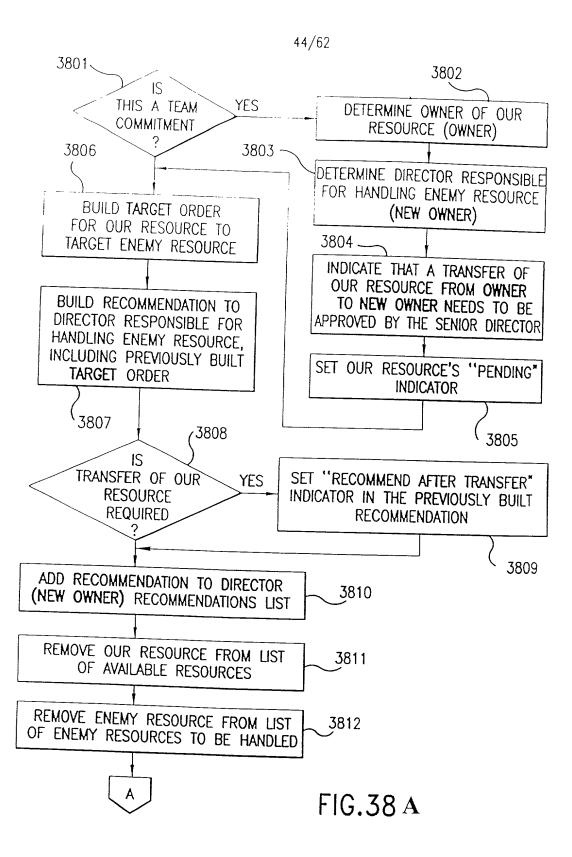


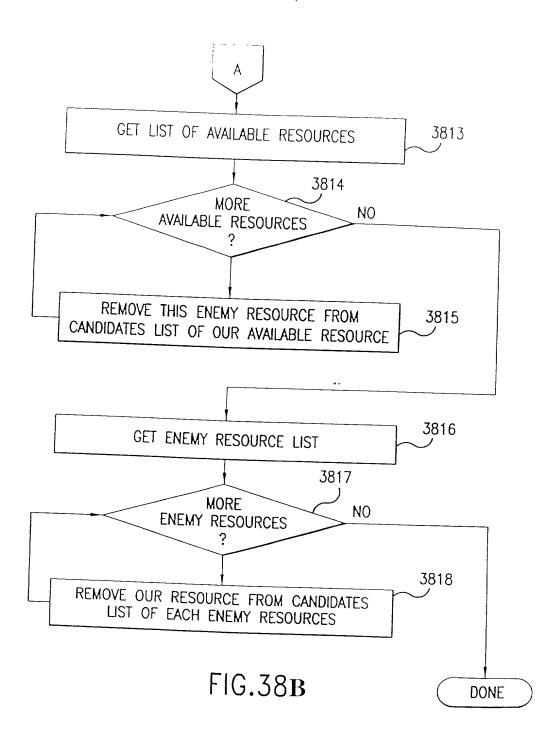
FIG.37 A

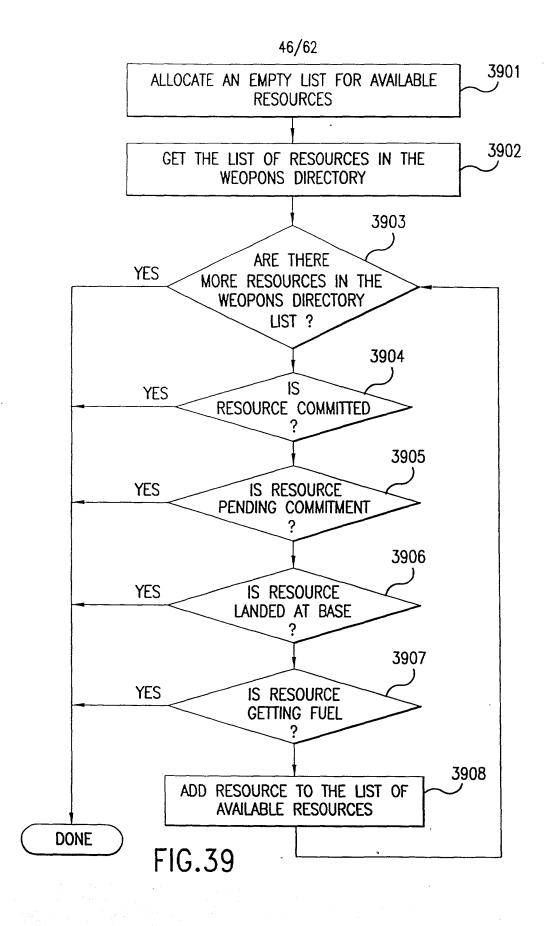












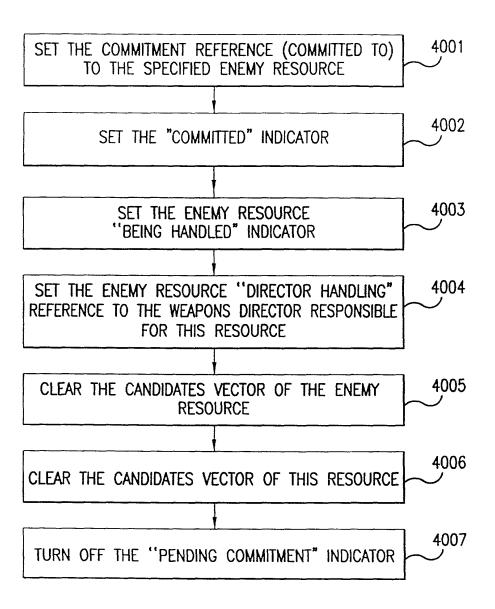
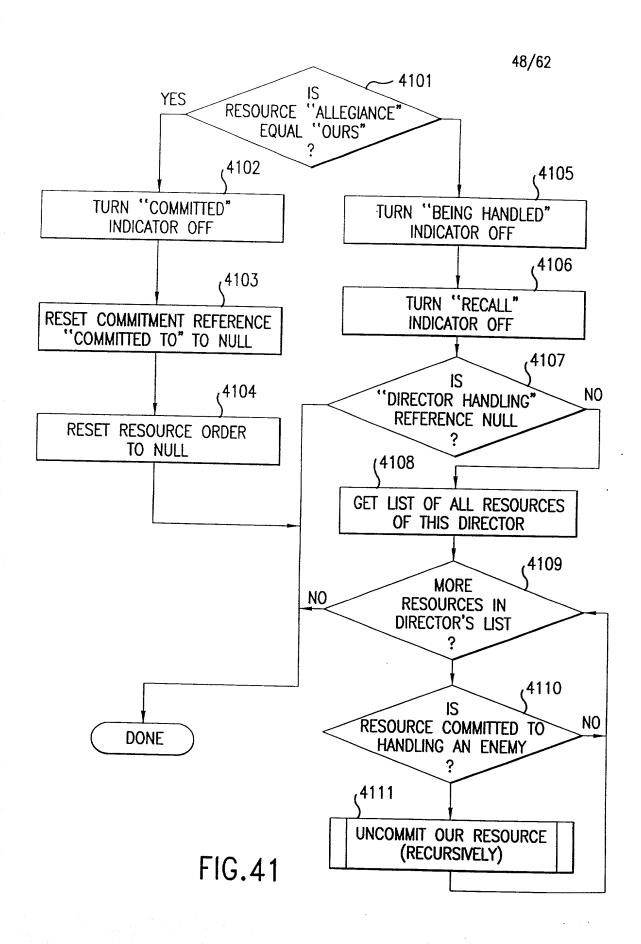


FIG.40



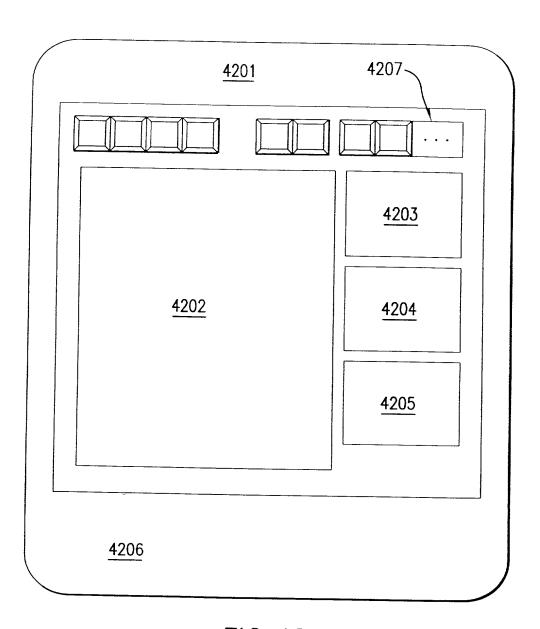
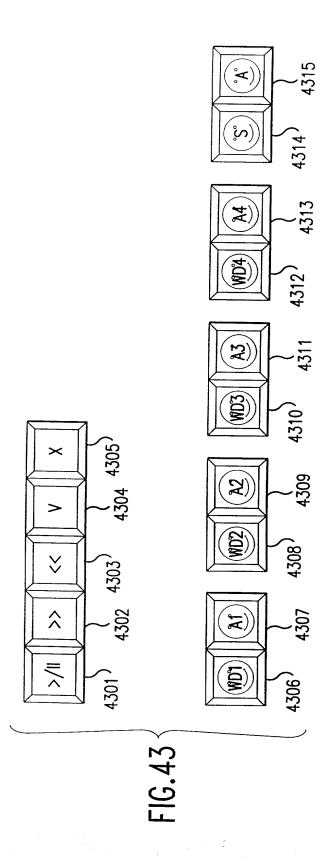


FIG.42



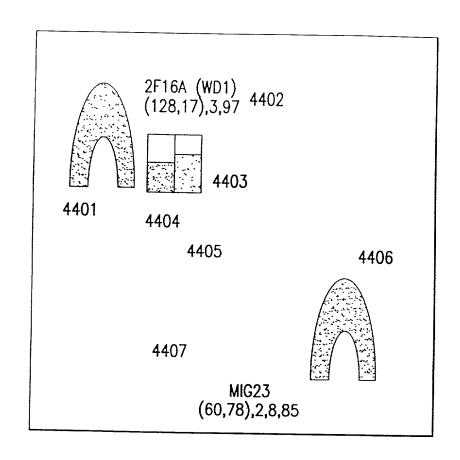


FIG.44

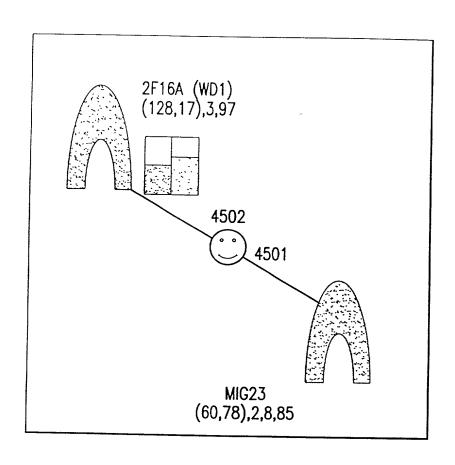


FIG.45

ACTION	RESULT
CLICK ON OUR MOVING RESOURCE AND DRAG TO THE SAME RESOURCE	SPLIT—IF OUR MOVING RESOURCE IS A GROUP, SPLIT THE GROUP (ADDITIONAL DISPLAY WILL PROVIDE A SELECTION OF MOVING RESOURCES TO BE SPLIT FORM THIS GROUP)
CLICK ON OUR MOVING RESOURCE AND DRAG TO OUR GROUP OF MOVING RESOURCES	JOINHAVE OUR MOVING RESOURCE JOIN OUR GROUP
CLICK ON OUR MOVING RESOURCE AND DRAG TO OUR TANKER	TANK——HAVE OUR MOVING RESOURCE PROCEED TO THIS TANKER FOR FUELING
CLICK ON OUR MOVING RESOURCE AND DRAG TO OUR BASE	RTBHAVE OUR MOVING RESOURCE PROCEED TO AND LAND AT THIS BASE
CLICK ON OUR MOVING RESOURCE AND DRAG TO ENEMY RESOURCE	TARGET—HAVE OUR MOVING RESOURCE TARGET THE ENEMY RESOURCE
CLICK ON OUR MOVING RESOURCE AND DRAG TO A CAP AREA	CAP——HAVE OUR MOVING RESOURCE PERFORM COMBAT AIR PATROL IN THE SPECIFIED AREA
CLICK ON OUR MOVING RESOURCE AND DRAG TO A PARTICULAR POINT IN THE PRIMARY DISPLAY AREA NOT OCCUPIED BY ANY OTHER RESOURCE OR A CAP AREA	GOHAVE OUR MOVING RESOURCE PROCEED TO THE SELECTED POINT

FIG. 46

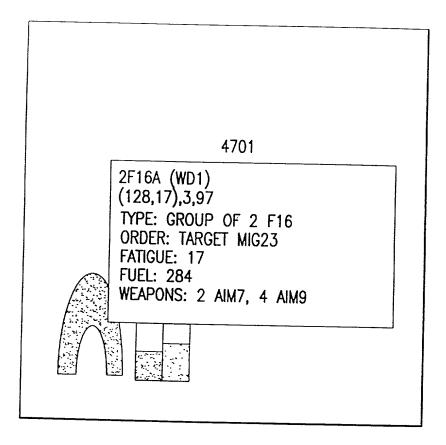


FIG.47

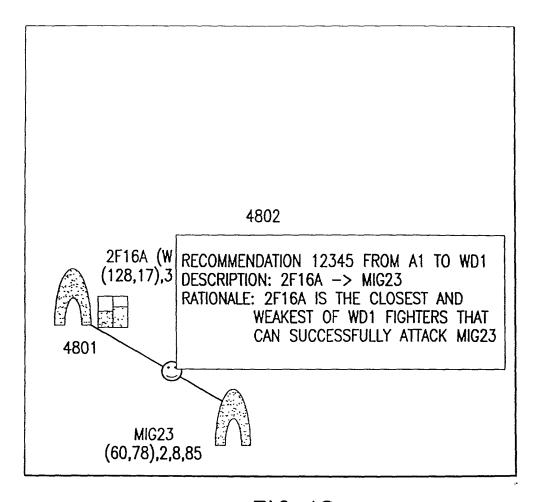


FIG.48

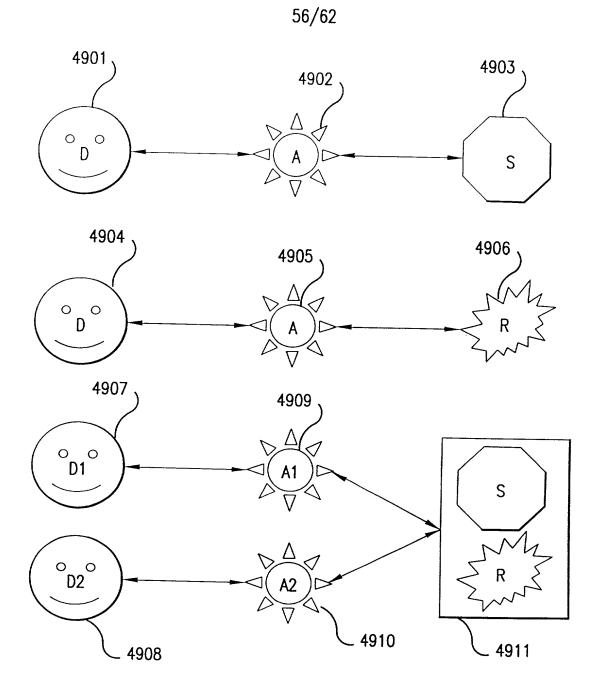


FIG. 49

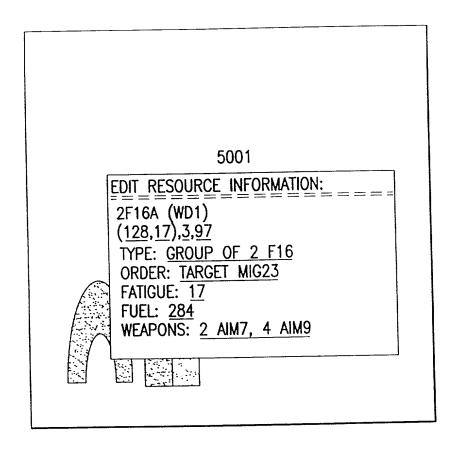


FIG.50

5103
EDIT RESOURCE INFORMATION:
mig23 (e) (128,17),3,97
TYPE: mig23 fighter
ORDER: FATIGUE:
FUEL:
U17 5102 (128,17),3,97
5101

FIG.51

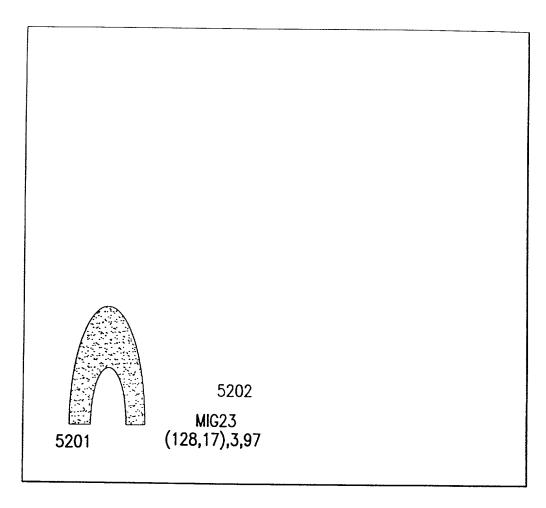


FIG.52

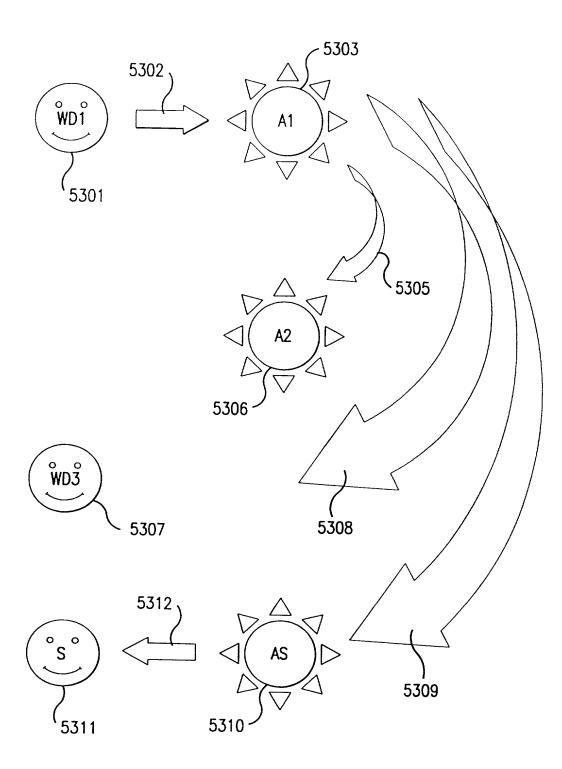
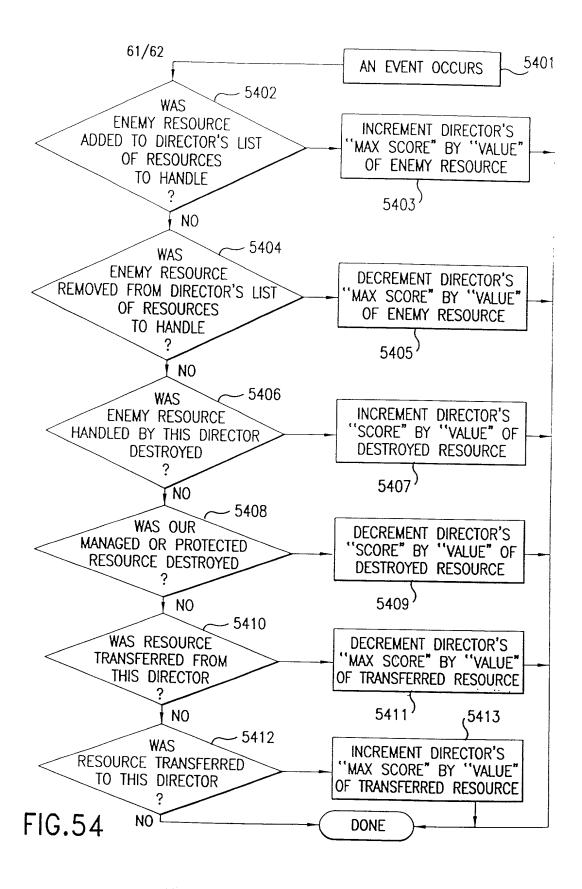


FIG.53



RECOMMENDATION ACCEPTED TYPE COUNT	ACCEPTED COUNT	CURRENT RESOURCE NOT RESOURCE LOCATION ACCEPTED RI ORDER (ACC.) COUNT OI (ACC.)	RESOURCE LOCATION (ACC.)	NOT ACCEPTED COUNT	URRENI ESOUR(RDER 10T	RESOURCE LOCATION (NOT ACC.)
TARGET	17	5- CAP 12- G0	5- CAP1	2	5- CAP	5- CAP2
RTB	5		5 CAP1	4	4- CAP	4-
TANK	=		4- CAP1	0		7
NION	2	60 2-60		0		
SPLIT	4	4-60		0		
0.9	0			4	4 IANK	
F 5	,	09-/			1 TARGET	

FIG. 55